

Title (en)
Ring spinning machine with a ring having an oblique flange

Title (de)
Ringspinnmaschine mit Schrägflanschring

Title (fr)
Métier à filer à anneaux avec anneau à flanc incliné

Publication
EP 0690158 A1 19960103 (DE)

Application
EP 95108881 A 19950609

Priority
CH 208594 A 19940630

Abstract (en)
The angle flange ring (18) for a ring spinner and the traveller (20) are structured so that the gap (GDL) between them is max. 0.3 mm. and esp. 0.2 mm., at the tangent point (P) of a tangent (T) measured along the length of the spindle axis (A), and with a tangent angle (α) of 45 degrees to the spindle axis (A), when the traveller (20) in the working position has its ring running surface (202) as close as possible against the running surface of the ring (18). Pref. the yarn running surface (200) of the traveller (20) runs radially outwards to the spindle axis (A) in the widest possible arc. It has a curve radius (R) at the yarn running surface (200) which does not decrease with a tangent angle (α) of 0-55 degrees . <IMAGE>

Abstract (de)
In einer Ringspinnmaschine mit einer Verdichtungseinrichtung (8) im Bereich des Streckwerks (2) ist der Läufer (20) so an den Ring (18) angepasst, dass sich am Ende der Kopsreise, also bei Fertigstellung des Kopses (28), ein Garndurchlass (GDL) von maximal 0.2 mm zwischen Ring (18) und Läufer (20) ergibt. Damit wird das Abtrennen auch kurzer Fasern vom Garn (14) begünstigt, wodurch eine Schmierung zwischen Ring (20) und Läufer (18) verbessert ist. <IMAGE>

IPC 1-7
D01H 7/52

IPC 8 full level
D01H 7/60 (2006.01); **D01H 7/52** (2006.01)

CPC (source: EP)
D01H 7/52 (2013.01)

Citation (applicant)

- US 3901081 A 19750826 - ADIUTORI EUGENE F
- DE 3901791 C2 19911010
- DE 4139067 C2 19931125 - SKF TEXTILMASCH KOMPONENTEN [DE]
- EP 0085017 B1 19860409

Citation (search report)

- [YD] EP 0085017 A2 19830803 - ASA SA [FR]
- [Y] EP 0528056 A1 19930224 - RIETER AG MASCHF [CH]

Cited by
DE10025191A1; DE10025191C2; WO2020217255A1

Designated contracting state (EPC)
AT DE IT

DOCDB simple family (publication)
EP 0690158 A1 19960103; CN 1115800 A 19960131; JP H0841739 A 19960213

DOCDB simple family (application)
EP 95108881 A 19950609; CN 95106457 A 19950626; JP 16412595 A 19950629